

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------------------------|------------------|---------|------------------|
| S1 | 51 | ("5644131" "4631687" "6259091" "5340983" "5493115" "5572023" "5581081" "5182451" "5859432" "6236042" "4447724" "4771172" "4849628" "4874944" "5869344" "5877495" "5946640" "6037587" "6051378" "6188065" "4408125" "4527059" "4861989" "5019208" "5196699" "5218204" "5245192" "5272338" "5313061" "5559326" "5629210" "5703360" "5753910" "5869832" "6054709" "6107626" "6121608" "3786249" "4001582" "4038158" "4041346" "4075475" "4278441" "4296323" "4310759" "4377745" "4388531" "4490610" "4808819" "4814612").pn. | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 11:52 |
| S2 | 456 | "5644131" "4631687" "6259091" "5340983" "5493115" "5572023" "5581081" "5182451" "5859432" "6236042" "4447724" "4771172" "4849628" "4874944" "5869344" "5877495" "5946640" "6037587" "6051378" "6188065" "4408125" "4527059" "4861989" "5019208" "5196699" "5218204" "5245192" "5272338" "5313061" "5559326" "5629210" "5703360" "5753910" "5869832" "6054709" "6107626" "6121608" "3786249" "4001582" "4038158" "4041346" "4075475" "4278441" "4296323" "4310759" "4377745" "4388531" "4490610" "4808819" "4814612" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 10:22 |
| S3 | 62 | chemical near agent and detect\$3 and ion adj source and sample and mass adj spectrometry | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 10:31 |
| S4 | 182 | lewisite | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:25 |
| S5 | 15 | S4 and mass near spectrometry | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:28 |
| S6 | 24 | sulfur adj mustard and mass near spectrometry | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:34 |

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| S7 | 0 | atmospheric near pressure near chemical near ioniation | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:36 |
| S8 | 2768 | APCI | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:35 |
| S9 | 0 | atmospheric near pressure and chemical near ioniation | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:36 |
| S10 | 0 | atmospheric and pressure and chemical near ioniation | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:36 |
| S11 | 1018 | atmospheric near pressure near chemical near ionization | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:36 |
| S12 | 603 | S11 and agent | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:36 |
| S13 | 203 | S11 and corona | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:37 |
| S14 | 191 | S11 and corona near discharge | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:37 |
| S15 | 783 | S11 and mass near spectromet\$3 | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:38 |
| S16 | 783 | S11 and mass adj spectromet\$3 | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 11:38 |
| S17 | 187 | S14 and mass adj spectromet\$3 | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 14:13 |
| S18 | 1018 | atmospheric near pressure near chemical near ionization | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 14:14 |

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| S19 | 191 | S18 and corona near discharge | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 14:14 |
| S20 | 187 | S19 and mass adj spectromet\$3 | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 14:14 |
| S21 | 33 | S20 and "110" and "180" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/21 06:57 |
| S22 | 181 | S20 and "1\$2" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 14:25 |
| S23 | 174 | S20 and "1\$3" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/03 14:25 |
| S24 | 0 | 2002-322680 | JPO | OR | ON | 2004/12/08 11:42 |
| S25 | 1 | "2002322680" | JPO | OR | ON | 2004/12/08 11:45 |
| S26 | 0 | "20033042486" | JPO | OR | ON | 2004/12/08 11:46 |
| S27 | 0 | "jp20033042486" | JPO | OR | ON | 2004/12/08 11:46 |
| S28 | 0 | "jpa20033042486" | JPO | OR | ON | 2004/12/08 11:46 |
| S29 | 0 | "20033042486" | EPO; JPO; DERWENT | OR | ON | 2004/12/08 11:50 |
| S30 | 0 | jp-2002322680-\$.did. | EPO; JPO; DERWENT | OR | ON | 2004/12/08 11:47 |
| S31 | 0 | jp-2002322680 | EPO; JPO; DERWENT | OR | ON | 2004/12/08 11:47 |
| S32 | 3 | "2002322680" | EPO; JPO; DERWENT | OR | ON | 2004/12/08 11:47 |
| S33 | 0 | "2003-3042486" | EPO; JPO; DERWENT | OR | ON | 2004/12/08 11:50 |
| S34 | 0 | "20033042486" | EPO; JPO; DERWENT | OR | ON | 2004/12/08 11:50 |

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| S35 | 51 | ("5644131" "4631687" "6259091" "5340983" "5493115" "5572023" "5581081" "5182451" "5859432" "6236042" "4447724" "4771172" "4849628" "4874944" "5869344" "5877495" "5946640" "6037587" "6051378" "6188065" "4408125" "4527059" "4861989" "5019208" "5196699" "5218204" "5245192" "5272338" "5313061" "5559326" "5629210" "5703360" "5753910" "5869832" "6054709" "6107626" "6121608" "3786249" "4001582" "4038158" "4041346" "4075475" "4278441" "4296323" "4310759" "4377745" "4388531" "4490610" "4808819" "4814612").pn. | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 11:52 |
| S36 | 37 | S35 and ion adj source | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 11:53 |
| S37 | 37 | S36 and chemical | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 11:53 |
| S38 | 9 | S37 and agent | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 11:54 |
| S39 | 38 | detecting near chemical near agent | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:19 |
| S40 | 3 | ("6225623" "0426718").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:20 |
| S41 | 2 | ("20030015657" "6053059").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:26 |
| S42 | 27261 | corona adj discharge | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:27 |
| S43 | 572 | S42 and mass adj spectrometry | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:30 |

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| S44 | 12 | S43 and chemical near agent | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:30 |
| S45 | 32473 | mass adj spectrometry | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:30 |
| S46 | 929 | S45 and chemical adj agent | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:30 |
| S47 | 838 | S46 and detect\$3 | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:46 |
| S48 | 0 | S47 and introduction adj section | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:47 |
| S49 | 0 | S47 and introduction near section | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:47 |
| S50 | 9 | S47 and whisker | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:49 |
| S51 | 6 | S47 and sulfur adj mustard | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 12:50 |
| S52 | 32473 | mass adj spectrometry | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 13:55 |
| S53 | 929 | S52 and chemical adj agent | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 13:55 |
| S54 | 838 | S53 and detect\$3 | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 13:55 |
| S55 | 0 | S54 and introduction adj section | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 13:55 |

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| S56 | 4201 | 250/281 or 250/282 or 250/288 | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 13:56 |
| S57 | 1928 | S56 and temperature | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 13:56 |
| S58 | 349 | S56 and corona adj discharge | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 13:57 |
| S59 | 232 | S58 and temperature | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 13:57 |
| S60 | 1 | "6649910" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 15:30 |
| S61 | 2 | "6768110" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2004/12/08 15:56 |
| S62 | 2 | "6639215" "6537382" | US-PGPUB; USPAT; EPO | OR | ON | 2005/06/10 10:06 |
| S63 | 2 | "6768110" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/10 13:03 |
| S64 | 51 | ("5644131" "4631687" "6259091" "5340983" "5493115" "5572023" "5581081" "5182451" "5859432" "6236042" "4447724" "4771172" "4849628" "4874944" "5869344" "5877495" "5946640" "6037587" "6051378" "6188065" "4408125" "4527059" "4861989" "5019208" "5196699" "5218204" "5245192" "5272338" "5313061" "5559326" "5629210" "5703360" "5753910" "5869832" "6054709" "6107626" "6121608" "3786249" "4001582" "4038158" "4041346" "4075475" "4278441" "4296323" "4310759" "4377745" "4388531" "4490610" "4808819" "4814612").pn. | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/10 14:04 |

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|-----|-----|---|--------------------------------------|----|----|------------------|
| S65 | 13 | ("5644131" "4631687" "6259091" "5340983" "5493115" "5572023" "5581081" "5182451" "5859432" "6236042" "4447724" "4771172" "4849628" "4874944" "5869344" "5877495" "5946640" "6037587" "6051378" "6188065" "4408125" "4527059" "4861989" "5019208" "5196699" "5218204" "5245192" "5272338" "5313061" "5559326" "5629210" "5703360" "5753910" "5869832" "6054709" "6107626" "6121608" "3786249" "4001582" "4038158" "4041346" "4075475" "4278441" "4296323" "4310759" "4377745" "4388531" "4490610" "4808819" "4814612").pn. and corona adj discharge | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/10 14:14 |
| S66 | 4 | ("5644131" "4631687" "6259091" "5340983" "5493115" "5572023" "5581081" "5182451" "5859432" "6236042" "4447724" "4771172" "4849628" "4874944" "5869344" "5877495" "5946640" "6037587" "6051378" "6188065" "4408125" "4527059" "4861989" "5019208" "5196699" "5218204" "5245192" "5272338" "5313061" "5559326" "5629210" "5703360" "5753910" "5869832" "6054709" "6107626" "6121608" "3786249" "4001582" "4038158" "4041346" "4075475" "4278441" "4296323" "4310759" "4377745" "4388531" "4490610" "4808819" "4814612").pn. and corona adj discharge and "180" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/10 14:19 |
| S67 | 490 | "5644131" "4631687" "6259091" "5340983" "5493115" "5572023" "5581081" "5182451" "5859432" "6236042" "4447724" "4771172" "4849628" "4874944" "5869344" "5877495" "5946640" "6037587" "6051378" "6188065" "4408125" "4527059" "4861989" "5019208" "5196699" "5218204" "5245192" "5272338" "5313061" "5559326" "5629210" "5703360" "5753910" "5869832" "6054709" "6107626" "6121608" "3786249" "4001582" "4038158" "4041346" "4075475" "4278441" "4296323" "4310759" "4377745" "4388531" "4490610" "4808819" "4814612" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/10 14:19 |

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| S68 | 21 | S67 and corona adj discharge and "180" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/10 14:20 |
| S69 | 46 | detecting near chemical near agent | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/10 14:20 |
| S70 | 0 | S69 and corona adj discharge and "180" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/10 14:20 |
| S71 | 51 | ("5644131" "4631687" "6259091" "5340983" "5493115" "5572023" "5581081" "5182451" "5859432" "6236042" "4447724" "4771172" "4849628" "4874944" "5869344" "5877495" "5946640" "6037587" "6051378" "6188065" "4408125" "4527059" "4861989" "5019208" "5196699" "5218204" "5245192" "5272338" "5313061" "5559326" "5629210" "5703360" "5753910" "5869832" "6054709" "6107626" "6121608" "3786249" "4001582" "4038158" "4041346" "4075475" "4278441" "4296323" "4310759" "4377745" "4388531" "4490610" "4808819" "4814612").pn. | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/21 06:13 |
| S72 | 9 | (US-20030010907-\$ or US-20030020013-\$ or US-20040016310-\$ or US-20040036020-\$ or US-20040084614-\$).did. or (US-4551624-\$ or US-6188065-\$ or US-6326615-\$ or US-6649910-\$).did. | US-PGPUB; USPAT | OR | ON | 2005/06/21 06:55 |
| S73 | 9 | (US-20030010907-\$ or US-20030020013-\$ or US-20040016310-\$ or US-20040036020-\$ or US-20040084614-\$).did. or (US-4551624-\$ or US-6188065-\$ or US-6326615-\$ or US-6649910-\$) | US-PGPUB; USPAT | OR | ON | 2005/06/21 06:14 |
| S74 | 53 | "20030010907" "20030020013" "20040016310" "20040036020" "20040084614" "4551624" "6188065" "6326615" "6649910" | US-PGPUB; USPAT | OR | ON | 2005/06/21 06:55 |

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| S75 | 51 | "20030010907" "20030020013" "20040016310" "20040036020" "20040084614" "4551624" "6188065" "6326615" "6649910" and "110" adj C and "180" adj C | US-PGPUB; USPAT | OR | ON | 2005/06/21 06:55 |
| S76 | 0 | ("20030010907" "20030020013" "20040016310" "20040036020" "20040084614" "4551624" "6188065" "6326615" "6649910") and "110" adj C and "180" adj C | US-PGPUB; USPAT | OR | ON | 2005/06/21 06:55 |
| S77 | 0 | ("20030010907" "20030020013" "20040016310" "20040036020" "20040084614" "4551624" "6188065" "6326615" "6649910") and "110" near "180" | US-PGPUB; USPAT | OR | ON | 2005/06/21 06:58 |
| S78 | 0 | ("20030010907" "20030020013" "20040016310" "20040036020" "20040084614" "4551624" "6188065" "6326615" "6649910") and "110" near "180" | US-PGPUB; USPAT | OR | ON | 2005/06/21 06:58 |
| S79 | 5 | (US-20030010907-\$ or US-20030020013-\$ or US-20040016310-\$ or US-20040036020-\$ or US-20040084614-\$).did. or (US-4551624-\$ or US-6188065-\$ or US-6326615-\$ or US-6649910-\$).did. and "110" near "180" | US-PGPUB; USPAT | OR | ON | 2005/06/21 06:58 |
| S80 | 1220 | atmospheric near pressure near chemical near ionization | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/21 06:57 |
| S81 | 224 | S80 and corona near discharge | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/21 06:57 |
| S82 | 220 | S81 and mass adj spectromet\$3 | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/21 06:57 |
| S83 | 0 | S82 and "110" near "180" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/21 06:57 |
| S84 | 36 | S82 and "110" and "180" | US-PGPUB; USPAT; USOCR; EPO | OR | ON | 2005/06/21 06:57 |

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|-----|---|---|--------------------|----|----|------------------|
| S85 | 4 | ("20030010907" "20030020013" "20040016310" "20040036020" "20040084614" "4551624" "6188065" "6326615" "6649910") and "110" and "180" | US-PGPUB; USPAT | OR | ON | 2005/06/21 06:58 |
| S86 | 4 | ("20030010907" "20030020013" "20040016310" "20040036020" "20040084614" "4551624" "6188065" "6326615" "6649910") and "110" and "180" | US-PGPUB; USPAT | OR | ON | 2005/06/21 06:58 |
| S87 | 6 | (US-20030010907-\$ or US-20030020013-\$ or US-20040016310-\$ or US-20040036020-\$ or US-20040084614-\$).did. or (US-4551624-\$ or US-6188065-\$ or US-6326615-\$ or US-6649910-\$).did. and "110" and "180" | US-PGPUB; USPAT | OR | ON | 2005/06/21 06:59 |